

CLAIMS

claims 1-26 (previously canceled)

claim 27 (currently amended) A lateral flow immunoassay device for detecting immune reactants, said device comprising:

a) a test strip for detecting specific antibodies in a sample, said antibodies being specific for a specific analyte, said test strip comprising:

i) a sample site for applying said sample, said sample site comprising:

a) a sample pad to which said sample is applied; and

b) a reacting substance at said sample site, said reacting substance having the ability to bind to IgG; in an amount to allow for the complexing of said IgG, thereby slowing down the migration of said IgG and allowing other antibodies to migrate and react at sites downstream from said sample pad prior to the migration of said IgG;

ii) a colorimetric labeling site positioned downstream from said sample site, said colorimetric labeling site comprising a colorimetric labeled analyte; and

iii) at least four reaction sites positioned downstream from said colorimetric labeling site, wherein there is a reaction site for detecting IgG antibodies, a reaction site for detecting IgA antibodies, a reaction site for detecting IgM antibodies, and a control reaction site, said reaction sites comprising anti-Ig immunoglobulin antibodies specific for specific said IgG antibodies being tested at a specific said reaction site, wherein each said reaction site binds a specific said antibody for which each said reaction site is specific, such that if said specific antibody binds with said colorimetric labeled analyte to form an Ig-colorimetric labeled analyte complex, a colored line will

appear at said reaction site where said Ig-colorimetric labeled analyte complex is bound.

Claim 28 (original) The lateral flow immunoassay device of claim 28, wherein said colorimetric label is selected from the group consisting of a metal sol particle, a dyed labeled microparticle, a fluorescent labeled microparticle, and combinations thereof.

Claim 29 (currently amended) The lateral flow immunoassay device of claim 28, wherein said metal sol particle is [selelcted] selected from the group consisting of platinum, gold, silver, selenium, and copper.

Claim 30 (original) The lateral flow immunoassay device of claim 27, wherein said analyte is selected from the group consisting of antigens, antibodies, bacteria, virsuses, protozoa, parasites, autoimmune antigens, heat shock proteins, transplantation antigens, histocompatibility antigens, and combinations thereof.

Claim 31 (original) The lateral flow immunoassay device of claim 30, wherein said analyte is selected from the group consisting of *H. pylori*, *Streptococcus Group A*, *Streptococcus Group B*, *Mycobacterium tuberculosis*, *Mycoplasma*, *Chlamydiae*, *Rickettsiae*, Herpes virus, CMV, Hepatitis A, Hepatitis C, Hepatitis B, Influenza, HIV I, HIV II, HTLV I & II, Chagas, Toxoplasma, Helminths, Nematodes, autoimmune antigens, heat shock proteins, transplantation antigens, histocompatability antigens, and combinations thereof.

Claim 32 (previously amended) The lateral flow immunoassay device of claim 27, further comprising a control site, said control site containing substances that readily react with a colored solid phase.

Claim 33 (canceled)

Claim 34 (original) The lateral flow immunoassay device of claim 33, wherein said anti-Ig immunoglobulin antibodies are from affinity purification of immune sera selected from the group consisting of goats, rabbits, donkeys, sheep, chickens, and other animals.

Claim 35 (original) The lateral flow immunoassay device of claim 33, wherein said anti-Ig immunoglobulin antibodies are monoclonal antibodies specific for IgM, IgA, IgE, and IgG antibodies.

Claim 36 (cancel)

Claim 37 (cancel)

Claim 38 (currently amended) The lateral flow immunoassay device of claim, 27 wherein said substances at said sample site are selected from the group consisting of protein A, protein G, lentil lectin, jacalin, concanavilin A, anti-IgG, mannan binding protein, wheat germ lectin, peanut lectin, avidin, and combinations thereof.

Claim 39 (cancel)

Claim 40 (cancel)

Please add the following claim

Claim 68

(Currently amended) The lateral flow immunoassay device of claim 27, wherein a complex between the IgG reacting substance and the IgG has a molecular weight greater than 1 million.